



Safety is for life.

REMBE® Explosion Safety Days 2017 Spray Dryer

November 28 + 29, 2017
Brilon / Germany

Meet the EX-perts!

Due to some devastating recent events, increased awareness in safety amongst operators as well as manufacturers and emphasized standards, finding the appropriate protection against explosion and fires in spray dryers has gained importance for both new and existing plants.

We at **REMBE® GmbH Safety + Control** are one of the leading global suppliers for safety solutions and understood through our daily business the wish of operators and OEMs for a neutral event to exchange experiences and protection approaches.

We took this wish as a demand and focused this year's **REMBE® Explosion Safety Days specifically on spray dryers**. Dr.-Ing. Johannes Lottermann, Director explosion safety at REMBE® is personally involved in the VDI 2263-7.1 fire and explosion safety for spray drying equipment and, together with his team, has put together a comprehensive program with top rank speakers and experts from all relevant disciplines involved in explosion and fire protection.

You should definitely not miss the chance to discuss this topic with operators, OEMs, insurance companies and authorities. Among the highlights of the event will be a LIVE-Explosion demonstration on a typical single stage dryer set-up at the recently founded **REMBE® Research + Technology Center**.

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REMBE® GmbH Safety+Control



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REMBE® Explosion Safety Days – Spray Dryer
November 28 + 29, 2017 – Brilon / Germany

Agenda

Tuesday, November 28

08:00 – 08:30 Registration

08:30 – 08:50 Lessons learned from the past
René Waalewijn – DANONE NUTRICIA

08:50 – 09:10 Different countries, different standards?
Dipl.-Ing. (FH) Jörg Meistes – INBUREX Consulting

09:10 – 09:50 Requirements from insurance companies for spray dryers
H.J.M. van der Sijp (Hak), BSc – HDI Global SE

09:50 – 10:10 Determination of dust explosion and characteristics according to the recent standards
Prof. Dr. Ir. Filip Verplaetsen – Adinex N.V.

10:10 – 10:30 Risk assessment and zoning according to VDI 2263-7
Dipl.-Ing. Richard Siwek – FireEx Consultant GmbH

10:30 – 10:50 Coffee break

10:50 – 11:10 Causes of the desired formation of deposits in spray drying chambers and their prevention
Prof. Rainer Barnekow – Hochschule Ostwestfalen Lippe

11:10 – 11:30 Optimized spray drying temperatures by adapted smoldering test values
Dr. Albert Garcia Colomer, Dr. Hans Edelijm – AkzoNobel Polymer Chemistry

11:30 – 11:50 Preventative explosion safety approaches for spray dryers
Pat Swords – PM Group

11:50 – 12:10 CO detection and H₂O measurement – safety and efficiency at one glance
Sieuwert Kramer – Hobrè Instruments BV

12:10 – 12:30 Differences between nutrition and dairy drying
Gerrit Fikse – Nestlé Nederland BV

12:30 – 12:50 CFD-Simulation of explosions in spray dryers – explosion design 4.0
Dr. Kees van Wingerden – Gexcon AS

12:50 – 13:50 Lunch break

13:50 – 14:10 Hygienic design vs. explosion safety
Dr.-Ing. Johannes Lottermann – REMBE® GmbH Safety + Control

14:10 – 14:30 Fire safety atomizing nozzle – increases safety within your spray dryer
Roel Hoek – Raca International BV

14:30 – 14:50 Fire protection approaches in spray dryers
Mathias Fischer – Fagus-GreCon Greten GmbH & Co. KG

14:50 – 15:10 How trapped-key interlocking systems contribute to fire and explosion safety
Jonas Haake – Haake Technik GmbH

15:10 – 15:30 Coffee break

15:30 – 15:50 Small-scale fire tests on ignition of quasi-stationary dusts caused by glowing embers
Prof. Dr. Uli Barth – Universität Wuppertal, M.Sc. Marius Bloching – IND EX® e.V.

15:50 – 16:30 Explosion venting and suppression design approaches according to VDI 2263-7
Dipl.-Ing. Richard Siwek – FireEx Consultant GmbH

16:30 – 17:00 Apparant safety or overprotection
Jan Cleijne – REMBE® GmbH Safety + Control

19:00 Get together

Wednesday, November 29

08:30 – 08:50 Advantages of explosion safety design approaches for OEM´s in early stages
Markus Lübbers – Lübbers Anlagen- und Umwelttechnik GmbH

08:50 – 09:10 Preventative explosion safety approaches for multi-batch handling installations
Dipl. LM-Ing. ETH René Bosshard – SWISS COMBI W. Kunz dryTec AG

09:10 – 09:30 Explosion safety approaches on box dryers
Kjeld Borchert – Sanovo Technology A/S

09:30 – 10:10 Explosion safety upgrades of existing plants – execution challenges as with regard to compliance and practicability
Stefan Grund – BGN

10:10 – 10:30 Coffee break

10:30 – 11:00 Transfer

11:00 – 12:00 EX-perience an explosion – LIVE demonstration at an industrial scale sized vessel
Dipl.-Ing. Roland Bunse – REMBE Research + Technology Center GmbH

12:00 – 13:00 Farewell-Lunch



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Registration

Binding registration for the REMBE® Safety Days – Spray Dryer.

Company:
Name:
First name:
Title:
Function:
Department:
Address:
Phone:
Fax:
E-mail:
Date:
Signature:

Services and participation fee

Participation fee: 750 €

If more than two people from a single company participate, we will grant a discount of 30 % for each additional participant. For participants from a company that provides a speaker, the event will be free of charge. Included in the participation fee are all lectures, extensive training materials, beverages, lunch as well as an exclusive evening event.

Arrival and departure / overnight accommodation

The travel expenses as well as the accommodation costs must be borne by the participants. Together with the registration, you will be provided with extensive information on available hotels.

Registration:

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If you have any questions,
Sandra Fuchs will gladly be at your disposal:
sandra.fuchs@rembe.de
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Conditions of participation

The number of participants is limited. Registrations will be considered and confirmed in the order of their receipt. The seminar fee is due after receipt of the invoice within 14 days without deduction. For registrations which are cancelled later than one week before the start of the event, the seminar fee will be charged in full. Decisive for this, is the written receipt of the cancellation at REMBE®. Substitute participants may be nominated in writing without any additional fee. In justified cases (e.g. illness), REMBE® reserves the right to cancel the training. The participation fee will then be reimbursed in full.

Please provide with information about available hotel rooms.